

PROJECT TITLE : SALAMANDER II  
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The separation obtained between cysteine and cystine on a Partisil SAX anion exchange column was found to be insufficient. The use of a polar reverse phase column, Spherisorb CN, gave reasonable cysteine/cystine separation particularly when used in an ion pair mode with sodium dodecyl sulfate as counter ion. Analysis of the NO<sub>2</sub>/cysteine reaction solution prepared under conditions used for ISH measurement gave a larger cysteine peak after reaction, together with the formation of cystine and a number of other peaks. This confirms the results obtained with a Lichrosorb-NH<sub>2</sub> column (1).

Further work will be carried out to obtain resolution of this coeluting reaction product.

#### REFERENCE

(1) Murray-M., PME Monthly Progress Report, January 1982, p. 3.

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